BRUHAT BANGALORE MAHANAGARA PALIKE

M/s KRIDL

Providing RO plants in ward No.07 Byatarayanapura

Description of Item	Unit	No	L	B	D	Qty
Investigation of site for sinking Borewell for supplying drinking water to the [illegible] through the Hand pump, MWS of P.W.S.S by vertical electrical sounding (Wenner or Schlumberger's method, including reconnaissance survey of [illegible] formation, Geophysical investigation of existing Ground Water in the vicinity, its [illegible] quality and acceptability of the users indicating the location of site, recommended [illegible] casing pipe required an extra depth of 1.0 meter in consolidated formation for [illegible] casing pipe, depth of drilling required to cover full depth of aquifer [illegible] to be tapped, probable yield and other information required including [illegible] of instrument and accessories to work site., engaging techinical personal [illegible] required etc., as per Specification and direction						
[illegible]						
[illegible] about 7th cross						1
[illegible] (near burial ground)						1
[illegible] layout park						1
					Total	3
Drilling borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM (Above in all strats including over burden upto 20 mts fixing of casing pipes, [illegible] cap with necessary cutting, throading and welding including transportation of [illegible] vehicles, crew charges and cost of consumables etc., complete [illegible] with testing at the final depth with a minimum working of compressor for one [illegible] cost of casing pipes, collars, cap etc.,)						
		3	50.00			150.00
		3	50.00			150.00
		3	50.00			150.00
		3	50.00			150.00
		3	50.00			150.00
		3	50.00			150.00
		3	50.00			150.00

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Tender No

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9	Providing 200mm dia PVC Pipe10kg/cm2						
			3	26.00			78.00
10	Providing and supllying 175mm dia M.S.Cap (as per PREC SR 2012-13) etc., complete as per specifications and direction of the Engineer--in-charge						
			3	1.00			3.00
11	Providing and fixing in galvanised mild steel tubes (Heavy class as per IS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification (PWD SR 2015-16 P NO.87, It No.13.6)						
			3	270.00			810.00
12	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group						
							1833.00
13	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)						
			3	1.00			3.00
14	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel						
			3	50.00			150.00
15	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube						
			3	1.00			3.00
16	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A						
			3	1.00			3.00
17	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP						
			3	1.00			3.00
18	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot						
			3	1.00			3.00
19	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG						
			3	1.00			3.00
20	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications						
			3	1.00			3.00

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21	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate						
			3	1.00			3.00
22	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....						
			3	6.00			18.00
23	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33						
			3	23400.00			70200.00
24	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.						
			3	1.00			3.00
25	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 68/ I No. 4(d) 4 core 16 Sqmm						
			3	25.00			75.00
26	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm)						
			3	25.00			75.00
27	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete						
			3	25.00			75.00
28	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class						
			3	4.00			12.00
29	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.						
			3				3.00

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30	**BESCOM DEPOSIT**						
	1) Jakkur layout 7th cross						14300.00
	2) Mariyannapalya (near burial ground)						14300.00
	3) Cofee board layout park						14300.00
31	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following,						
			3				3.00
32	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.						
			3	45.00			135.00
33	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.						
			3	1.00			3.00
34	Cutting the road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc in following classifications Cutting in Cement concrete road surface						
	1) Jakkur layout 7th cross		1	300.00	0.30	0.45	40.50
	2) Mariyannapalya (near burial		1	195.00	0.30	0.45	26.33
	3) Cofee board layout park		1	205.00	0.30	0.45	27.68
						Total	**94.50**
35	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.						
	1) Jakkur layout 7th cross		1	300.00	0.3	0.2	18.00
	2) Mariyannapalya (near burial		1	195.00	0.3	0.2	11.70
	3) Cofee board layout park		1	205.00	0.3	0.2	12.30
						Total	**42.00**

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36	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold watersupply including all CPVC plain and brass threaded fittings includingfixing the pipe with clamp at 1.00 mtr spacing. This includes jointing ofpipes and fittings with one step CPVC solvent cement and testing ofjoints complete. (internal work exposed on wall) 20mm dia.SR18-19						
	1) Jakkur layout 7th cross		1	300			300.00
	2) Mariyannapalya (near burial		1	195			195.00
	3) Cofee board layout park		1	205			205.00
						Total	**700.00**
37	Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.						
	1) Jakkur layout 7th cross		1	300	0.3	0.15	13.50
	2) Mariyannapalya (near burial		1	195	0.3	0.15	8.78
	3) Cofee board layout park		1	205	0.3	0.15	9.23
						Total	**31.50**
38	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.						
	Hebbal Crematorium	1	2	3.00	1.50	3.00	27.00
	Amruthanagara Park	1	2	1.50	1.50	3.00	13.50
	Chain link fencing-hebbal crematorium		1	30	0.30	0.60	5.40
	Chain link fencing-sahakaranagara		1	50	0.30	0.60	9.00
	OVER Burden earth						0.00
			1	65	2.00	0.65	84.50
			1	85	1.50	0.90	114.75
			1	50	2.00	0.45	45.00
						Total	**299.15**

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39	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification						
	Hebbal Crematorium		1	3.00	1.50	0.15	0.68
	Amruthanagara Park		1	1.50	1.50	0.15	0.34
	For pipeline						
	1) Jakkur layout 7th cross		1	300	0.3	0.15	13.50
	2) Mariyannapalya (near burial ground)		1	195	0.3	0.15	8.78
	3) Cofee board layout park		1	205	0.3	0.15	9.23
	Chain link fencing-hebbal crematorium		1	30	0.3	0.6	5.40
	Chain link fencing-sahakaranagara		1	50	0.3	0.60	9.00
						Total	**46.91**
40	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications.						
	Hebbal Crematorium	1	3	1.5	0.2		0.90
	Side wall	2	3	3	0.2		3.60
		2	2.4	3	0.2		2.88
	Sump cover	1	3	1.5	0.2		0.90
	Amruthanagara Park	1	1.5	1.5	0.2		0.45
		4	1.5	3	0.2		3.60
		1	1.5	1.5	0.2		0.45
							12.78
	Deductions for cover	2	0.3	0.3	0.2		0.04
							12.74
	Chain link fencing-hebbal crematorium	1	30	0.3	0.15		1.35
	Chain link fencing-sahakaranagara	1	50	0.3	0.15		2.25
							3.60
						Total	**16.34**

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41	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge						
	Side wall						
	Hebbal Crematorium and Amruthanagara		8	3	3		72.00
			4	2.4	3		28.80
			2	3	1.5		9.00
	Sump cover		2	3	3		18.00
							127.80
						Total Qty ltd to	**114.48**
42	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications						
	Side wall		**12mm**	**Total Le**	**10mm**		**Total Le**
	Hebbal Crematorium	47	2.8	131.6	31	2.2	68.2
	Sump cover	38	2.8	106.4	31	2.2	68.20
	Amruthanagara Park	45	2.8	126	20	2.2	44
	Sump cover	12.5	2.8	35	20	2.2	44.00
	Total			1171.8			561
		at 0.62 kg/cum		726.516	at 0.39 Kg/cum		218.79
							945.31
							0.95
						Qty Ltd to	**0.94**
43	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following						
	1) Jakkur layout 7th cross		1				1.00
	2) Mariyannapalya (near burial ground)		1				1.00
	3) Cofee board layout park		1				1.00
				Total			**3.00**

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44	Supplying and fixing MS rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 No. of 16mm dia MS hold fast rods each of length 25 cm, including ocst of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all leads and lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P. 262, I. 37.2)SR18-19						
	Chain link fencing-hebbal crematorium			30		1.80	54.00
	Chain link fencing-sahakaranagara			50		1.8	90.00
							144.00
45	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials, wastage in cutting and scaffolding whereever necesssary with all lead and lift as directed by the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 266, I. 37.7)SR18-19						
	Chain link fencing-hebbal crematorium		3	75			225.00
	Chain link fencing-sahakaranagara		3	65			195.00
							420.00
46	Providing chainlink fencking 50mm size of 8 guage properly stretched between existing rectangular poles andfixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts as per the direcdtions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2017-18, P. 266, I. 37.3)						
	Chain link fencing-hebbal crematorium		1	75	1.80		135.00
	Chain link fencing-sahakaranagara		1	65	1.8		117.00
							252.00

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47	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)						
							393.65

Assistant Engineer
ward No.07
12/4/19

Assistant Executive Engineer
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore
12/4/19

Executive Engineer 12/4